



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/820,477A
Source: IFWO
Date Processed by STIC: 8/10/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby,
Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

RAW SEQUENCE LISTING

DATE: 08/10/2004

PATENT APPLICATION: US/10/820,477A

TIME: 12:38:29

Input Set : A:\SubstituteSequenceListing.txt

Output Set : N:\CRF4\08102004\J820477A.raw

3 <110> APPLICANT: Siler-Khodr, Theresa M.
 5 <120> TITLE OF INVENTION: Non-Mammalian GnRH Analogs and Uses Thereof in Regulation of Fertility
 6 and Pregnancy
 8 <130> FILE REFERENCE: P7345.2(CIP)6
 10 <140> CURRENT APPLICATION NUMBER: US 10/820,477A
 12 <141> CURRENT FILING DATE: 2004-04-08
 14 <150> PRIOR APPLICATION NUMBER: US 10/639,405
 16 <151> PRIOR FILING DATE: 2003-08-12
 18 <160> NUMBER OF SEQ ID NOS: 16

ERRORED SEQUENCES

69 <210> SEQ ID NO: 5
 70 <211> LENGTH: 10
 71 <212> TYPE: Prt
 72 <213> ORGANISM: Homo sapiens (Mammalian GnRH)
 74 <220> FEATURE:
 75 <221> NAME/KEY: mat_peptide
 76 <222> LOCATION: unknown
 77 <223> OTHER INFORMATION: MOD_RES Glu at position 1 is pyroglutamic acid.
 79 <400> SEQUENCE: 5
 80 Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
 E--> 81 5 5 10 10 ← misaligned amino acid nos.
 83 <210> SEQ ID NO: 6
 84 <211> LENGTH: 10
 85 <212> TYPE: Prt
 86 <213> ORGANISM: Gallus gallus (Chicken II GnRH)
 88 <220> FEATURE:
 89 <221> NAME/KEY: mat_peptide
 90 <222> LOCATION: Within brain mRNA 121-150, within brain gene 2174-2203
 91 <223> OTHER INFORMATION: MOD_RES Glu at position 1 is pyroglutamic acid.
 93 <400> SEQUENCE: 6
 94 Glu His Trp Ser His Gly Trp Tyr Pro Gly
 E--> 95 5 5 10 10 ← same error
 206 <210> SEQ ID NO: 15
 207 <211> LENGTH: 30
 208 <212> TYPE: DNA
 209 <213> ORGANISM: Clupea harengus (Herring GnRH)
 211 <400> SEQUENCE: 15
 E--> 212 cagcactggt cttatggctg gctgcctgga

pp 1-3
 Does Not Comply
 Corrected Diskette Needed

30 ← insert cumulative
 base total at right margin
 of each line

all upper-case letters

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<210>2

<211>10

<212>Prt

<213>Unknown (Chicken II GnRH Analog)

PRT

This belongs on <2237> line, per 1.823 of
Sequence Rules.

<220>

<221>mat peptide

<222>Within brain mRNA 121-150, within brain gene 2174-2203.

<223>MOD_RES substitution of Gly residue at 10 by aza-Gly-NH₂, ethylamide or
other Gly amide. Xaa represents D-Arg, D-Leu, D-tBu-Ser, or D-Trp.

MOD_RES Glu at position 1 is pyroglutamic acid.

(Explanation for <213> Unknown or
<2137> Artificial Sequence

goes on
<2237> line)

<400>2

Glu His Trp Ser His Xaa Trp Tyr Pro Gly

5

10

This response goes on <2237> line.

<222> lists location(s) within the sequence
of N/S or Xaa's, a modified nucleotide/amino acids.

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<210>10

<211>9

<212>Prt

<213>Buserelin

<220>

<221>mat_peptide

<222>unknown

<223>MOD_RES Glu at position 1 is pyroglutamic acid. XAA represents D-Ser (t-Bu). MOD_RES PRO residue at 9 bound to ethylamide.

<400>10

GLU HIS TRP SER TYR XAA LEU ARG PRO

5

FYI: Per 1.823 sequence rules, the only valid <213> responses are Artificial Sequence, Unknown, or Genus/Species

→ use only initial-letter upper-case for amino acids
(Glu, His, Trp, Ser, etc)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/820,477A

DATE: 08/10/2004
TIME: 12:38:30

Input Set : A:\SubstituteSequenceListing.txt
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VERIFICATION SUMMARY

DATE: 08/10/2004

PATENT APPLICATION: US/10/820,477A

TIME: 12:38:30

Input Set : A:\SubstituteSequenceListing.txt

Output Set: N:\CRF4\08102004\J820477A.raw

L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:81 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5
L:95 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:212 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:30 SEQ:15
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0